Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/04/2019 11:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124739	-1	2.79	124783	2.80
Blue	F	SSC	125000	125191	0	1.70	125964	1.70
Blue	E	FITC	16122	15696	-3	3.06	342	19.86
Blue	D	PE	29316	29047	-1	2.43	633	14.29
Blue	B	PerCP-Cy5-5	42590	42201	-1	3.87	1134	19.95
Blue	A	PE-Cy7	33146	32905	-1	6.32	633	40.01
Red	C	APC	45473	45074	-1	2.56	1594	11.78
Red	A	APC-Cy7	31961	31020	-3	2.56	821	11.99
Violet	B	V450	7914	7589	-5	3.89	424	12.71
Violet	A	V500	29769	28625	-4	3.69	666	10.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21344	3.54	605	5	N/A	N/A	Pass
Blue	F	SSC	56834	1.55	544	6	N/A	N/A	Pass
Blue	E	FITC	61	66.72	537	0	0.0214	204	Pass
Blue	D	PE	132	49.42	540	3	0.1908	334	Pass
Blue	B	PerCP-Cy5-5	207	50.15	640	2	0.0096	96	Pass
Blue	A	PE-Cy7	117	98.20	694	3	0.0112	13	Pass
Red	C	APC	377	25.58	585	6	0.0272	276	Pass
Red	A	APC-Cy7	179	28.86	561	5	0.0056	984	Pass
Violet	B	V450	65	61.58	458	-2	0.0704	3303	Pass
Violet	A	V500	99	35.94	470	-2	0.0238	1185	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.59	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	16.09	13.60 - 20.40	N/A	N/A	29.41	29.60	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9707

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments